GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA

UNSTARRED QUESTION NO:4656
ANSWERED ON:19.12.2000
PC BASED ROBOT
GANTA SRINIVASA RAO;KINJARAPU YERRANNAIDU;SUKENDER REDDY GUTHA

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether Andhra University scientists have developed PC based robot;

(b) if so, the details in this regard indicating the utility thereof;

(c) whether the Government have sanctioned any grants in this regard; and

(d) if so, the details thereof?

Answer

MINISTER OF STATE FOR SCIENCE AND TECHNOLOGY(SHRI BACHI SINGH RAWAT)

a) Yes, Sir. A PC based robot has been developed by Andhra University Scientists.

b) The robot has been developed as an outcome of a research project by Scientists in Andhra University, Visakhapatnam. The robot is capable of remote handling of hazardous materials, and under water operations in oceanographic investigations, which are otherwise difficult to handle in a manual or conventional manner. Four-fingered robotic hand and the controller, coupled with the robotic hand through a PC, can also be used for training students in the area of robotics, robot kinematics and robot control programming.

c) Yes, Sir. Government of India under Department of Science & Technology, Ministry of Science & technology has sanctioned grants in this regard.

d) A research Project entitled `Design and Development of Four-fingered Robotic Hand` was sanctioned to Andhra University, Visakhapatnam, in April 1997. The project has since been completed, resulting in development of a PC based robot.A total amount of Rs.11,64,750/- was sanctioned for the above project.